

SPECIAL PROVISIONS

ITEM: 7370455 -MISCELLANEOUS ELECTRICAL (AS-BUILT DRAWINGS & DEVICE NUMBER INSTALLATION)

DESCRIPTION:

The work under this item shall consist of furnishing all material, equipment, tools and labor and preparing as-built drawings of all installed electrical equipment and shall conform to the requirements of these special provisions.

CONSTRUCTION REQUIREMENTS:

The contractor shall provide "red line" drawings of all installed electrical equipment on project plan sheets. All measurements made for dimensioning shall be to the nearest 0.1 feet. All as-built drawings shall be 36" x 22" in size with red ink used to indicate dimensions of electrical items that are not shown on the original plan sheets. As-builts shall be made in such a manner that clear and legible copies can be made.

Underground conduit shall be dimensioned from edge of roadway, starting and ending point station numbers.

All pull boxes and foundations shall indicate station number and offset from edge of roadway. Distance from pull box to pull box and pull box to foundation shall be shown.

Loop detectors shall be dimensioned from the edge of roadway to the center of the loop with station number at the front of the loop. Home run conduits shall be dimensioned from pull box showing length and direction.

The contractor shall attach a five character decal 42" above the baseplate 45° in the direction of oncoming traffic. The number represents the maintenance unit device. Each electrical cabinet, signal and lighting pole and sign structure shall receive a maintenance unit number. The supervisor at ADOT Traffic Operations will provide the numbers for the devices at the preconstruction meeting. The contractor shall not install any decal until the device has been installed in its final configuration and inspected and approved by the project electrical inspector. Any existing device which is relocated will require a new device number as indicated on the plans or as provided by ADOT Electric Operations.

The decals will be provided by the ADOT Electrical Warehouse. Pickup of the decals by the contractor can be arranged by contacting the ADOT Electrical Inspector.

Conductor and pole schedule shall reflect any changes made such as phase number, number of conductors, size of conductors, circuit numbers, type of signal head, mounting assembly, poles, mast arms and maintenance unit numbers.

Four sets of as-built electrical plan sheets shall be submitted to the Resident Engineer prior to final acceptance of electrical equipment. Distribution by the Resident Engineer of as-built plans shall be the following: Field Office, Traffic Operations, Electrical Inspection and Electrical Blue Stake.

METHOD OF MEASUREMENT:

As-builts of all installed electrical equipment will be measured as a single complete unit of work.

BASIS OF PAYMENT:

As-Builts of all installed electrical equipment, measured as provided above, will be paid for at the contract lump sum price upon complete submittal to and approval by the Engineer and shall be full compensation for the item, completed as defined and described above.